

THERMOELECTRIC DEVICE HAVING CO-EXTRUDED
P-TYPE AND N-TYPE MATERIALS

ABSTRACT OF THE DISCLOSURE

A method of forming thermoelectric materials includes combining at least one P-type extrusion with at least one N-type extrusion to form a first P/N-type
5 billet. The P/N-type billet may be extruded to form a first P/N-type extrusion having at least one P-type region, and at least one N-type region. The P/N-type extrusion may be segmented into a plurality of P/N-type extrusion segments. In a particular embodiment, a
10 plurality of the P/N-type extrusion segments may be combined to form a second P/N-type billet. The second P/N-type billet may be extruded to form a second P/N-type extrusion having a second plurality of P-type regions and a second plurality of N-type regions.

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